Wind Analysis Summary Report

Site Number

944

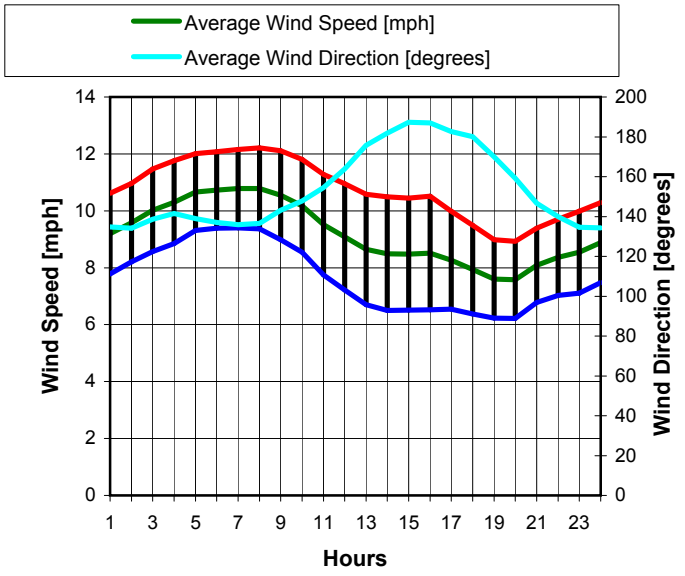
Site Information

Project:	Pat Henderson
Location:	Kendrick, ID
Site Elevation:	3439 ft
Averaging Time:	10 min
Date Range:	9/16/04 17:10-7/19/05 18:50

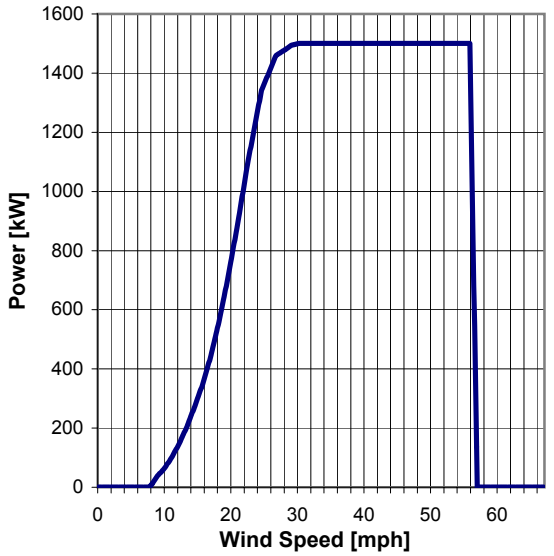
Sensor Information

Sensor/Tower Height:	66 ft
Scaled Height:	213 ft
Windvane Offset:	0 degrees

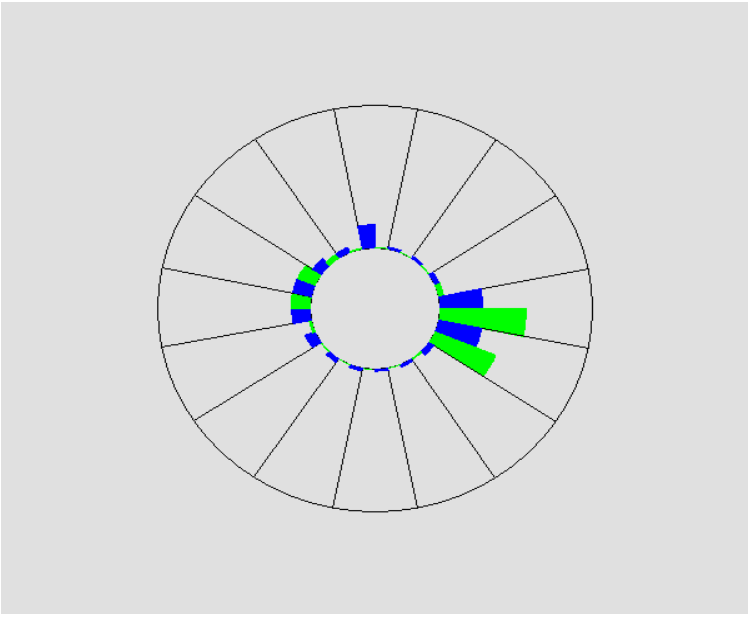
Diurnal Wind Speed Pattern



GE 1.5 S, 70.5m rotor,



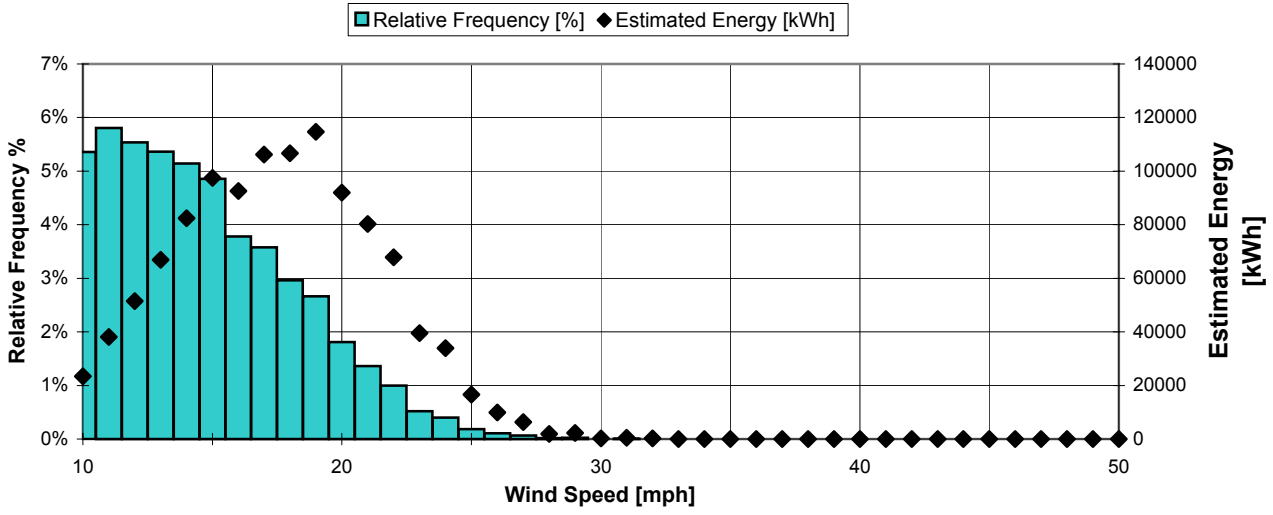
Wind Rose Graph



Percent of Total Wind Energy
Percent of Total Time

Inner Circle = 0%
Outer Circle = 70%

Frequency Distribution Graph



Statistics

Days Used in Calculation:	276.33
Hours Used in Calculation:	6631.83
Gust Speed:	32 mph
Gust Time:	3/17/2005 3:40
Estimated Energy Output:	1144523 kWh
Calculated Air Density:	1.101 kg/m^3
Average Wind Speed:	10.19 mph
Average Wind Direction:	170 degrees
Capacity Factor:	0.12
Turbine Manufacturer:	GE Wind Energy
Turbine Model:	GE 1.5 S, 70.5m rotor,
Turbine Rating:	1500 kW
Estimated Annual Production:	1511802 kWh/Year
Scaled Est. Annual Producion:	2530207 kWh/Year
Scaled Air Density:	1.101 kg/m^3
Scaled Capacity Factor:	0.19